

# NASA SUSPENDED LOAD OPERATION INTERIM ANALYSIS/APPROVAL

## 1. OPERATION

COLLECTING SAMPLE OF PSA FROM J-LEG (TANG) INSULATION FOR TESTING.  
(PER TPS SB-BI082-004)

|   |  |  |                 |  |
|---|--|--|-----------------|--|
| 2. REQUESTOR<br>KEN LEGGETT                 | ORGN.<br>5543  | PHONE<br>861-6424  | DATE<br>7-23-96 | REQUEST NO.<br>SLO-KSC- 1996-006           |
| 3. CONTRACTOR<br>USA                        | 4. CONTRACT NO.<br>NAS10-10900                       | 5. VEHICLE/GSE/EFFECTIVITY FACILITY<br>BI082-RSRM-54 DESTACK VAB |                 | 6. TIME PERIOD/DURATION<br>RSRM-54 DESTACK |
| 7. DOCUMENT<br>GP-1098                      | 8. TITLE<br>KSC GROUND OPERATIONS SAFETY PLAN VOL. 1 |  |                 | 9. ITEM NO.<br>SECT. 2.36                  |
| NSS/60-1740.9<br><i>m. Stevens, 7/23/96</i> | NASA SAFETY STANDARD FOR LIFTING DEVICE & EQUIP.     |  |                 | PARA. 206a (21)                            |

## 10. REQUIREMENT

GP-1098 - "A LOAD WILL NOT BE LIFTED, SUSPENDED OR TRANSPORTED OVER PERSONNEL..."

NSS/60-1740.9 - "PERSONNEL SHALL NOT BE LOCATED UNDER SUSPENDED OR MOVING LOADS UNLESS  
*m. Stevens, 7/23/96* THE OPERATION ADHERES TO THE OSHA APPROVED NASA ALTERNATE SAFETY STANDARD FOR SUSPENDED LOAD OPERATIONS".

## 11. DESCRIPTION

PERMIT PERSONNEL (4) TO WORK BENEATH THE SUSPENDED, AFT END OF THE MOTOR SEGMENTS TO OBTAIN SAMPLE SCRAPINGS OF THE PRESSURE SENSITIVE ADHESIVE (PSA). THESE SAMPLES WILL BE TAKEN AS EXPEDITIOUSLY AS POSSIBLE FOLLOWING EACH JOINT DEMATE AND WILL PRECEDE HOIST AND TRANSFER OF THE SEGMENTS FROM HIGH BAY 1 TO THE TRANSFER AISLE.

## 12. DETAILED RATIONALE

PSA SAMPLING WILL OCCUR EXPEDITIOUSLY FOLLOWING EACH JOINT SEPARATION IN THE HIGH BAY. A VALID SAMPLE REQUIRES REMOVAL FROM THE NBR QUICKLY TO PRESERVE THE ENVIRONMENT TO WHICH THE PSA HAS BEEN EXPOSED AS ACCURATELY AS POSSIBLE. HOIST AND TRANSFER TO THE TRANSFER AISLE REQUIRES A MINIMUM OF 8 HOURS AND THE SAMPLE WOULD BE MEANINGLESS IF TAKEN AT THAT TIME.

## 13. REMARKS

*1991-009 J. GARROTT 5421 7/25/96*

WHEN OPERATION (1) OF THE TPS IS PERFORMED, APPROVED SUSPENDED LOAD OPERATION IS COVERED BY SLO-KSC-~~1993-007~~, USING OMI B5141 REV F SINCE PERSONNEL WILL ALREADY BE WORKING UNDER AN APPROVED SUSPENDED LOAD; THIS OPERATION WILL INVOLVE MINIMUM AND ACCEPTABLE RISK FOR AN ESSENTIAL ASSESSMENT TEST.

## 14. REQUIRED APPROVAL

### CONTRACTOR

☐ DESIGNS ☐ R&QA  
☐ OPERATIONS ☐ SAFETY

### NASA

☐ DESIGNS ☐ R&QA  
☐ OPERATIONS ☐ SAFETY

## 15. TYPE OR PRINT NAME

### SIGNATURE

### ORGN.

### DATE

|               |                    |          |         |
|---------------|--------------------|----------|---------|
| KEN LEGGETT   | <i>[Signature]</i> | USA 5543 | 7-26-96 |
| JIM CAWBY     | <i>[Signature]</i> | USA 5543 | 7/26/96 |
| PAUL SCHMIDT  | <i>[Signature]</i> | PK-H7    | 7/25/96 |
| JOHN W. JAMBA | <i>[Signature]</i> | USA 5420 | 7/29/96 |
| A.M. STEVENS  | <i>[Signature]</i> | USA 5421 | 7/29/96 |
| M.C. GLENN    | <i>[Signature]</i> | RT-3RD-2 | 7/29/96 |
| J.W. RUDOLPH  | <i>[Signature]</i> | USA 5420 | 7/29/96 |
| J. RAYMOND    | <i>[Signature]</i> | RT       | 7/30/96 |